NAVAL SEA SYSTEMS COMMAND
INTEGRATED WARFARE ARCHITECTURE (IWAR)

WHAT IS IWAR?

- An alternative to the Planning, Programming, and Budgeting System (PPBS). The Planning Phase of PPBS.
- Divides Navy Capabilities into 5 Warfare areas and 7 support areas.
- Will look at end-end capabilities across IWAR areas.
- Link all areas to determine budget requirements.
- IWAR Temple…….

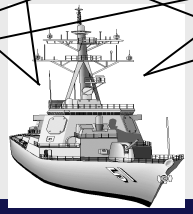
IWAR STRUCTURE

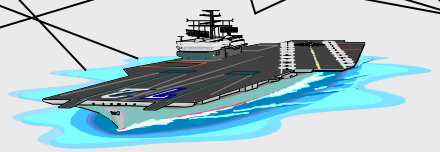
(Temple)

Navy Integrated Warfare Architecture

Information Superiority

- Deterrence
- Air Dominance
- Maritime Dominance
- Power Projection





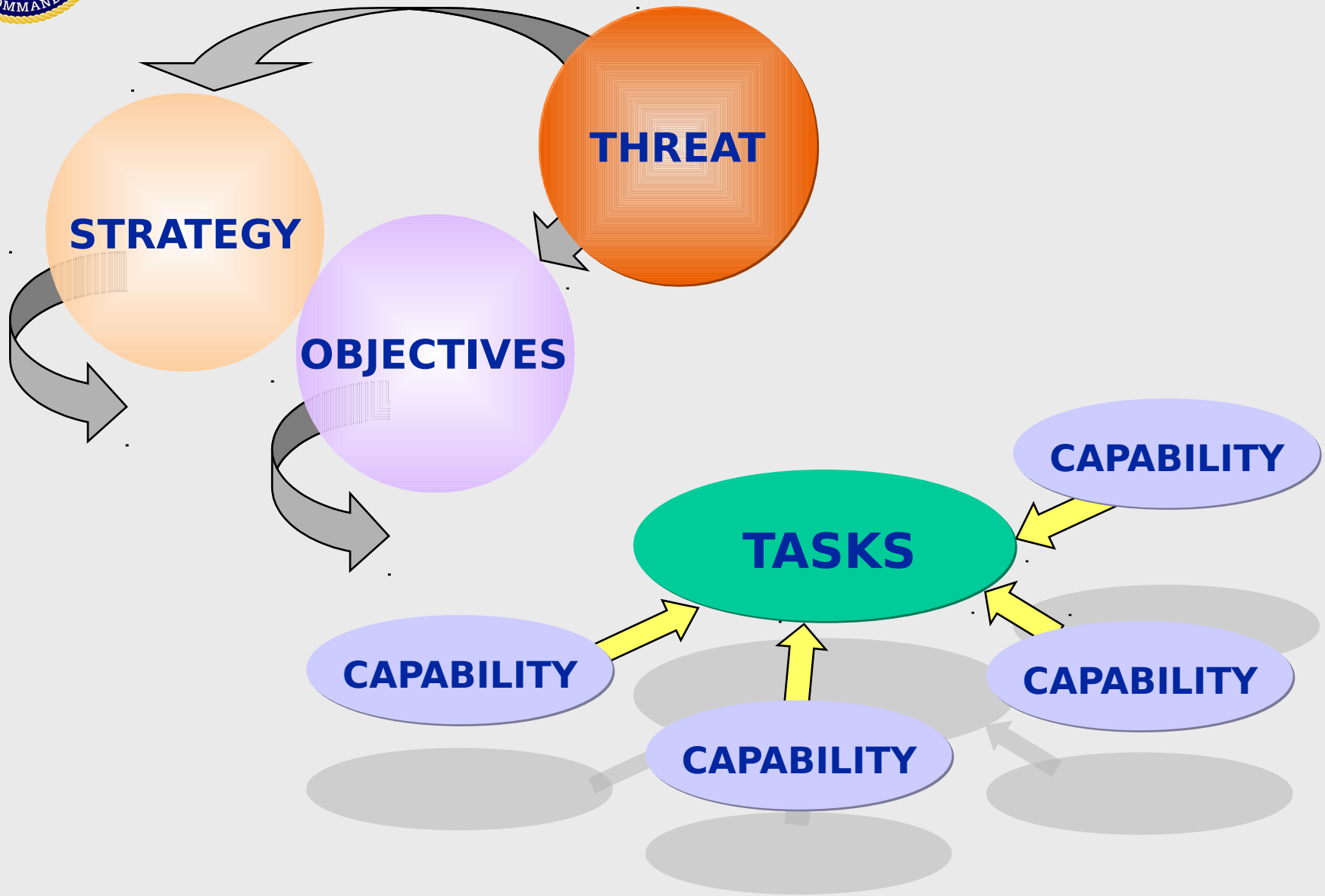
Sustainment	Infrastructure	Manpower & Personnel	Readiness	Training & Education	Technology	Force Structure
• CLF • Surge Sealift • MPF • Service-wide Transportation • Ordnance	• Direct Force Support • Indirect Force Support • Community Support	• Inherently Governmental/ Core Functions • Non-Inherently Governmental/ Non-Core	• Operations • Equipment • Supply • Maintenance	• Accessions Trng. • Individual Trng. • Unit/Force Training • Professional Development	• Basic Research • Exploratory Development • Advanced Tech Development • Acquisition	• QDR Force • Projected Mid-Term Force • Far-Term Force

INFRASTRUCTURE IWAR

Domain

- All land, buildings and base operations support bought within these traditional programs:
  - Military Construction
  - Real Property Maintenance (RPM)
  - Other Base Operations Support
  - Environmental Restoration, Navy
  - Housing & BQs
- Capability-based, not program-based review

STRATEGY TO CAPABILITIES



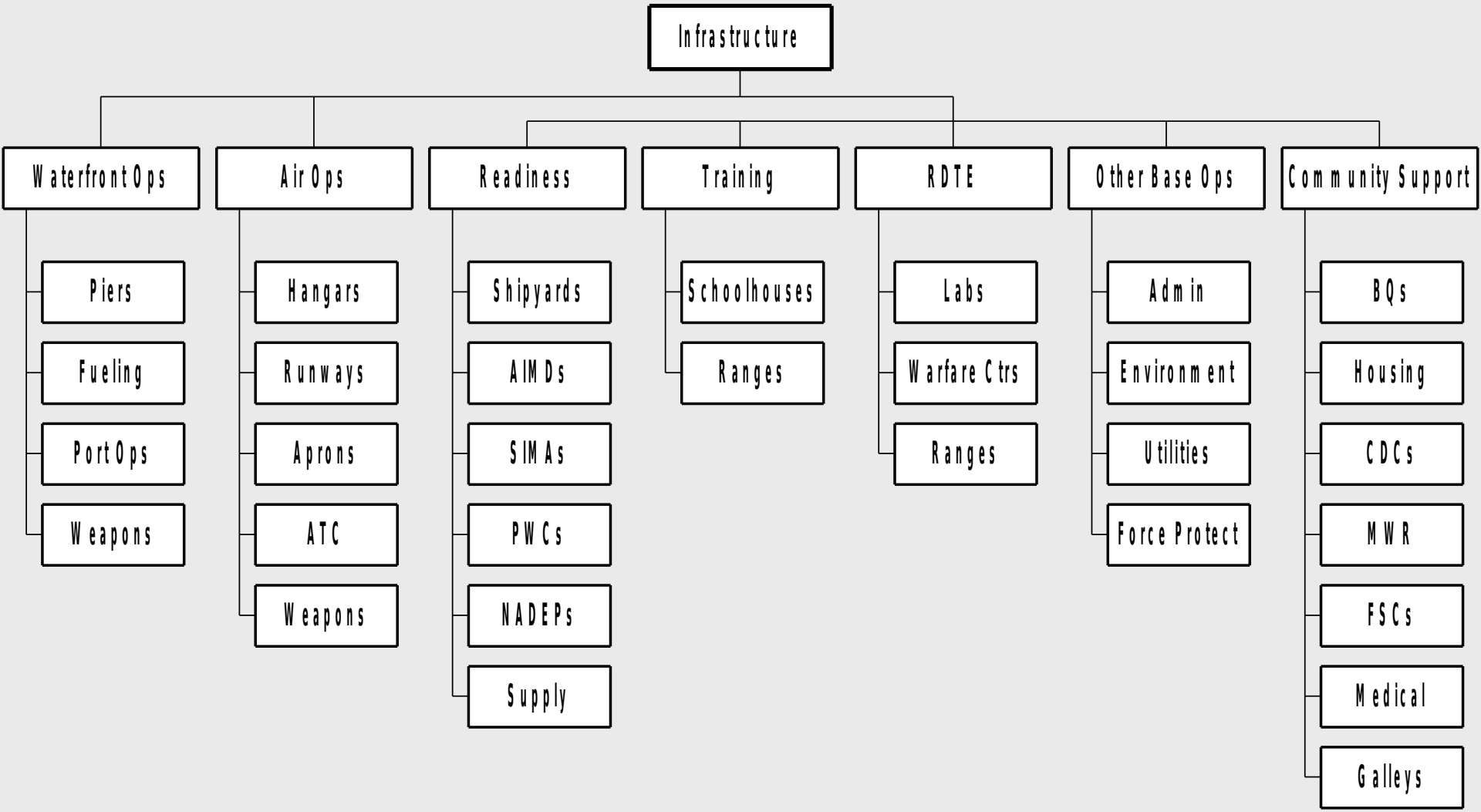
INFRASTRUCTURE IWAR

Infrastructure Methodology

- Compare capacity to requirements
- Establish standards of condition and level of service; based upon fleet readiness ratings
- Assess cost to achieve standards
- Alternatives analysis based upon risk
- Assessment linked to other IWARs
  - Consider their requirements
  - Analyze and solve their infrastructure issues

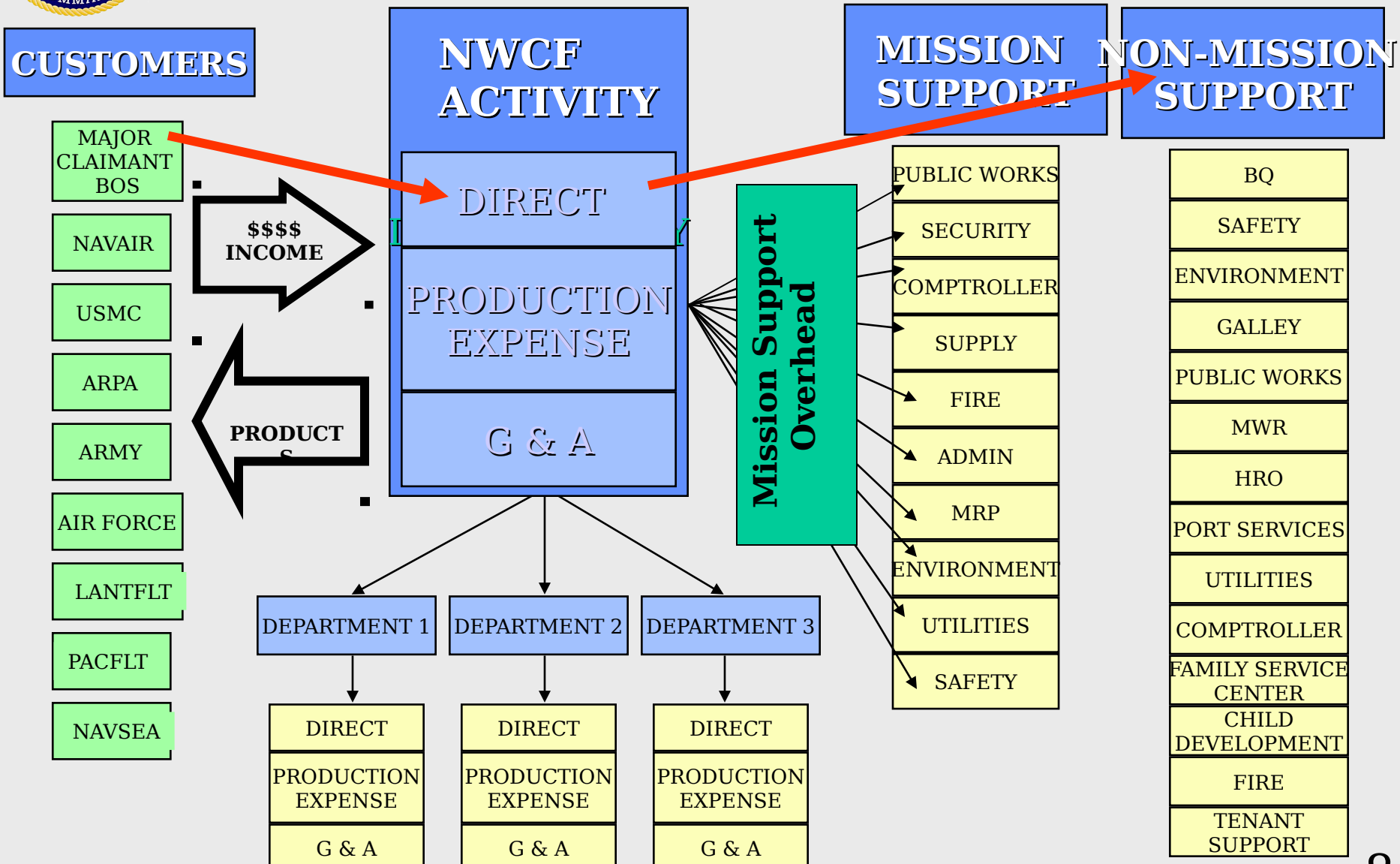
INFRASTRUCTURE IWAR

Infrastructure Capability & Components



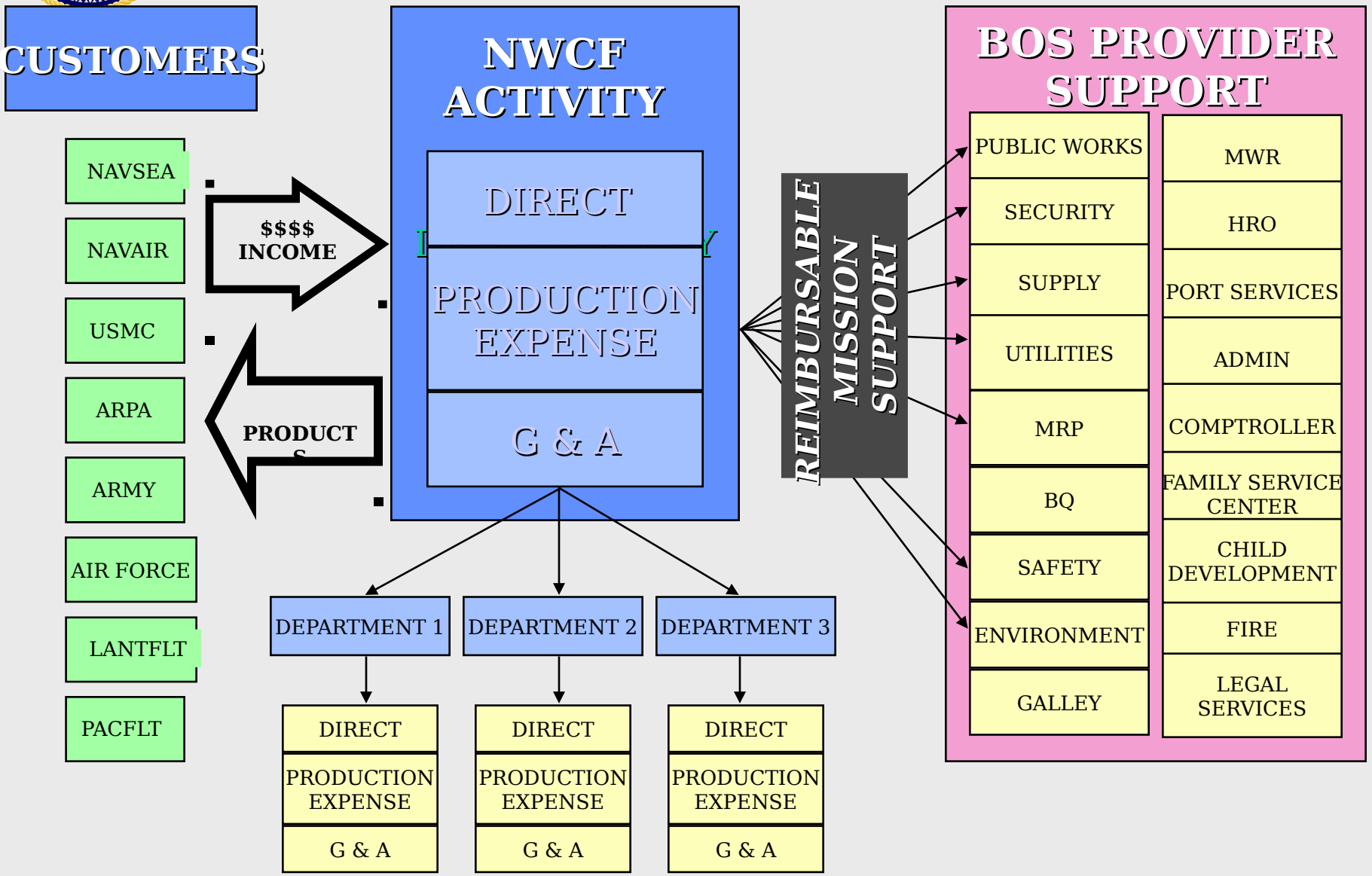
NWCF FUNDS FLOW

Installation Management Functions



NWCF FUNDS FLOW

Installation Claimant Consolidation



INFRASTRUCTURE IWAR

RPM READINESS CONDITION

INVESTMENT CATEGORY	READINESS CONDITION CRITERIA
IC-01 AVIATION OPERATION FACILITIES	1. AIR OPERATIONAL FACILITIES
IC-02 COMMUNICATION OPERATIONAL FACILITIES	2. COMMUNICATION FACILITIES
IC-03 WATERFRONT OPERATIONAL FACILITIES	3. SEAPORT OPERATIONAL FACILITIES
IC-05 TRAINING FACILITIES	4. TRAINING FACILITIES
IC-06 AVIATION MAINTENANCE/PRODUCTION IC-07 SHIPYARD MAINTENANCE/PRODUCTION IC-08 OTHER MAINTENANCE/PRODUCTION	5. INDUSTRIAL MAINTENANCE FACILITIES
IC-09 RDT&E	6. RDT&E
IC-10 POL SUPPLY/STORAGE IC-11 AMMO SUPPLY/STORAGE IC-12 OTHER SUPPLY STORAGE IC-04 OTHER OPERATIONAL FACILITIES	7. LOGISTICS STORAGE FACILITIES
IC-13 MEDICAL IC-14 ADMINISTRATIVE IC-16 OTHER PERSONNEL SUPPORT & SERVICE IC-15 TROOP HOUSING/MESSING IC-17 UTILITIES	8. SUPPORT FACILITIES
IC-18 REAL ESTATE AND GROUND STRUCTURES	9. BACHELOR HOUSING FACILITIES
	10. UTILITIES
	11. ROADS & GROUNDS

Present RPM Indicators

Indicator	How Calculated	Current Data	Acceptable Range
BMAR Critical Backlog of Maintenance and Repair	Total Unfunded Critical Maintenance & Repair Deficiencies	**$2.5B** (FY97)	None Established (See FCI)
API Asset Protection Index	RPM/CPV	**1.7%** (FY97)	2 to 4%
FCI Facilities Condition Index	Crit Bklg/CPV	**5.0%** (FY97)	<5% - Good 5-10% - Fair >10% - Poor
BASEREP **%C3/C4**	% Mission Categories C3/C4 due to FACON	**33%** (FY97)	None Established
Fleet RPM Readiness Criteria	RPM Actual vs RPM Req'd for C1-C3	**C2-C4** (FY99)	C3 to C1
Base Appearance	No Metric	None	None Established

(OMN and OMNR - PR99)

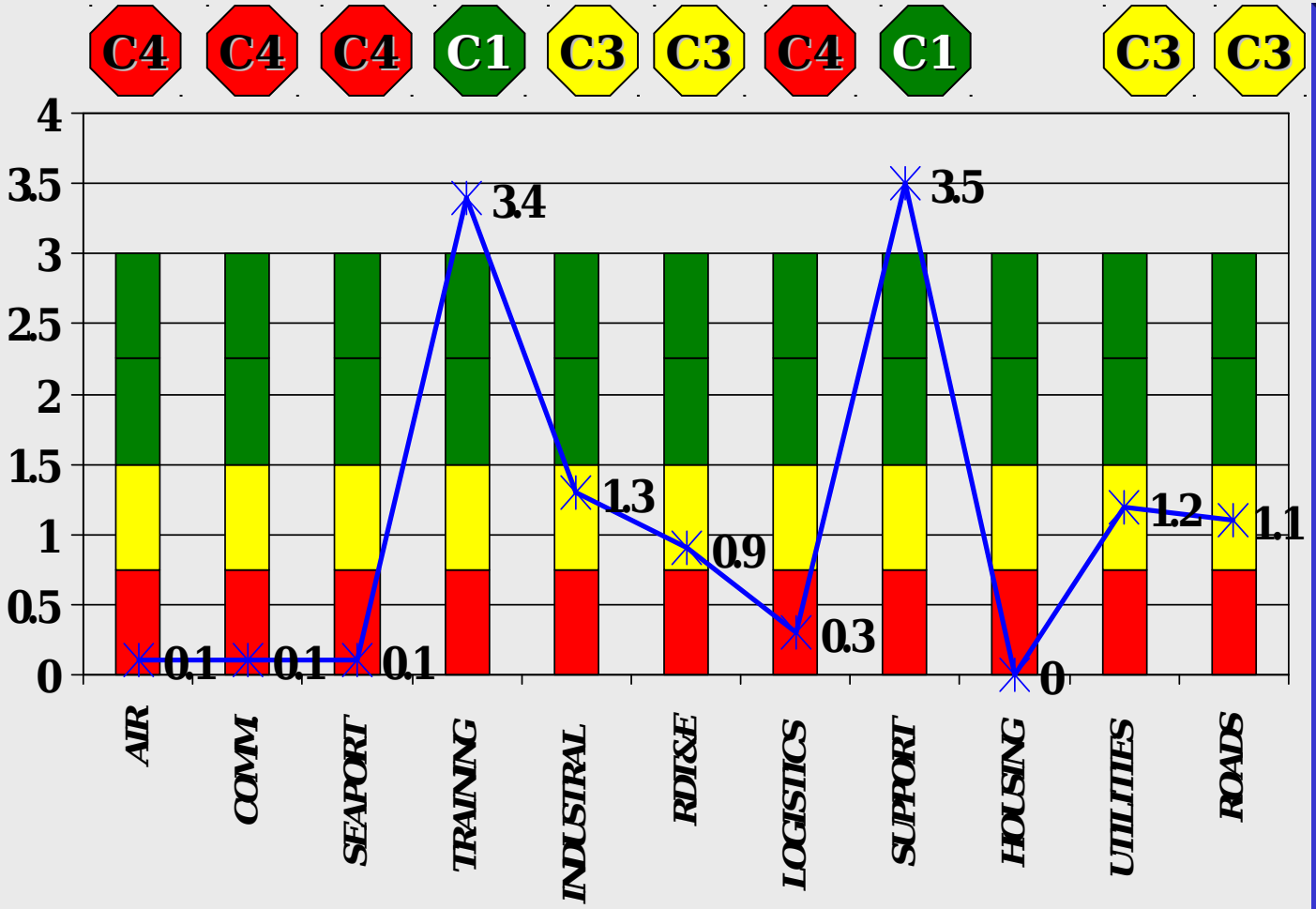
INFRASTRUCTURE IWAR

Readiness Condition Rating

- C1 - Has fully met all demands placed upon it in a mission category
- C2 - Has substantially met all demands of the mission category with only minor difficulty
- C3 - Has only marginally met the demands of the mission category but with major difficulty
- C4 - Has not met the vital demands of the mission category
- Does NSWC make the Grade???????

NSWC FY 98 NWCF

READINESS CONDITION



CPV VALUES IN MILLIONS

AIR $13.646

COMM $30.375

SEAPORT $72.620

TRAINING $10.633

IMF $874.278

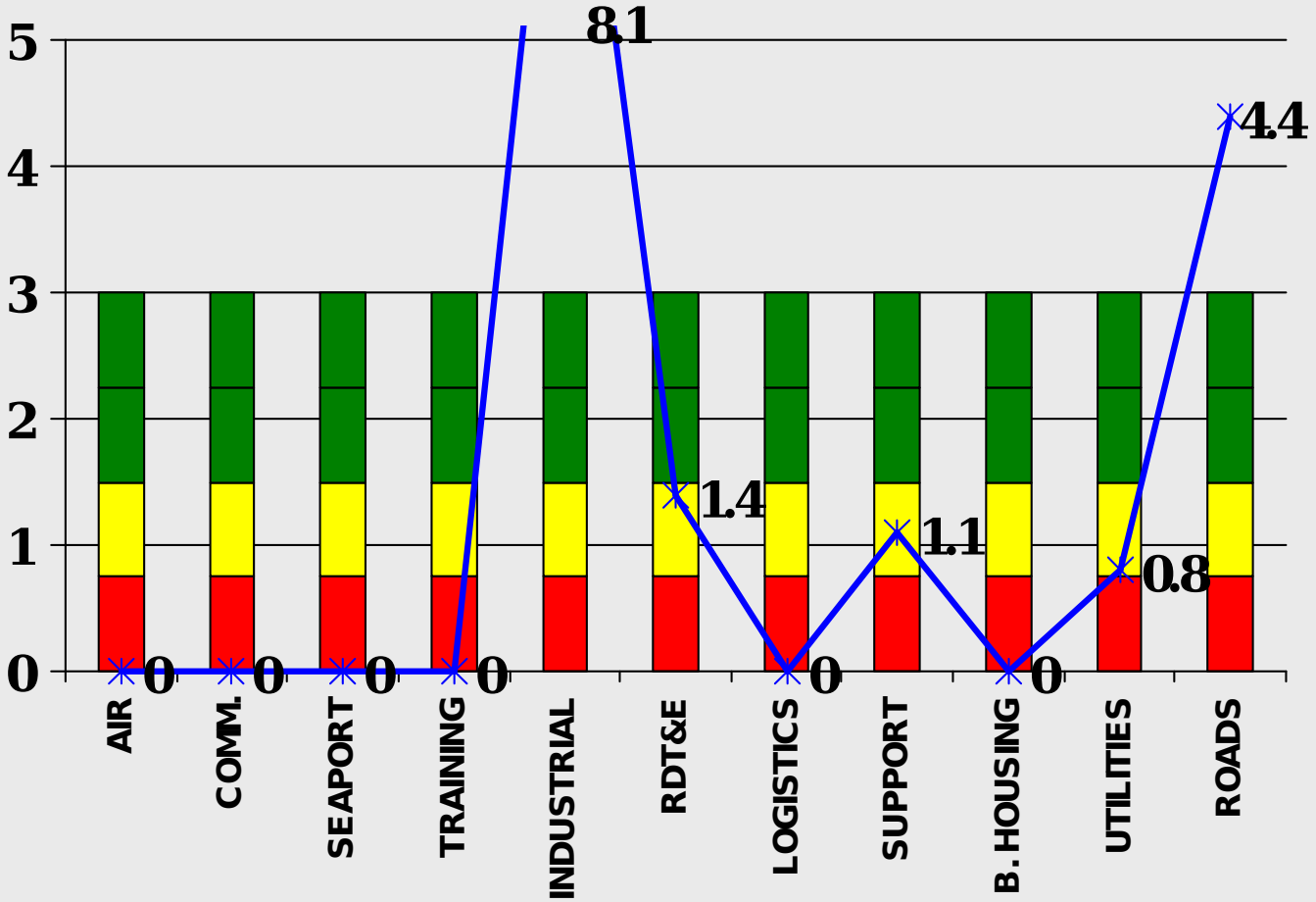
RDT&E $1,325.170

LOGISTICS $575.427

SUPPORT

NWAS CORONA FY 98 NWCF

C4 C4 C1 C3 C3 C3 C1

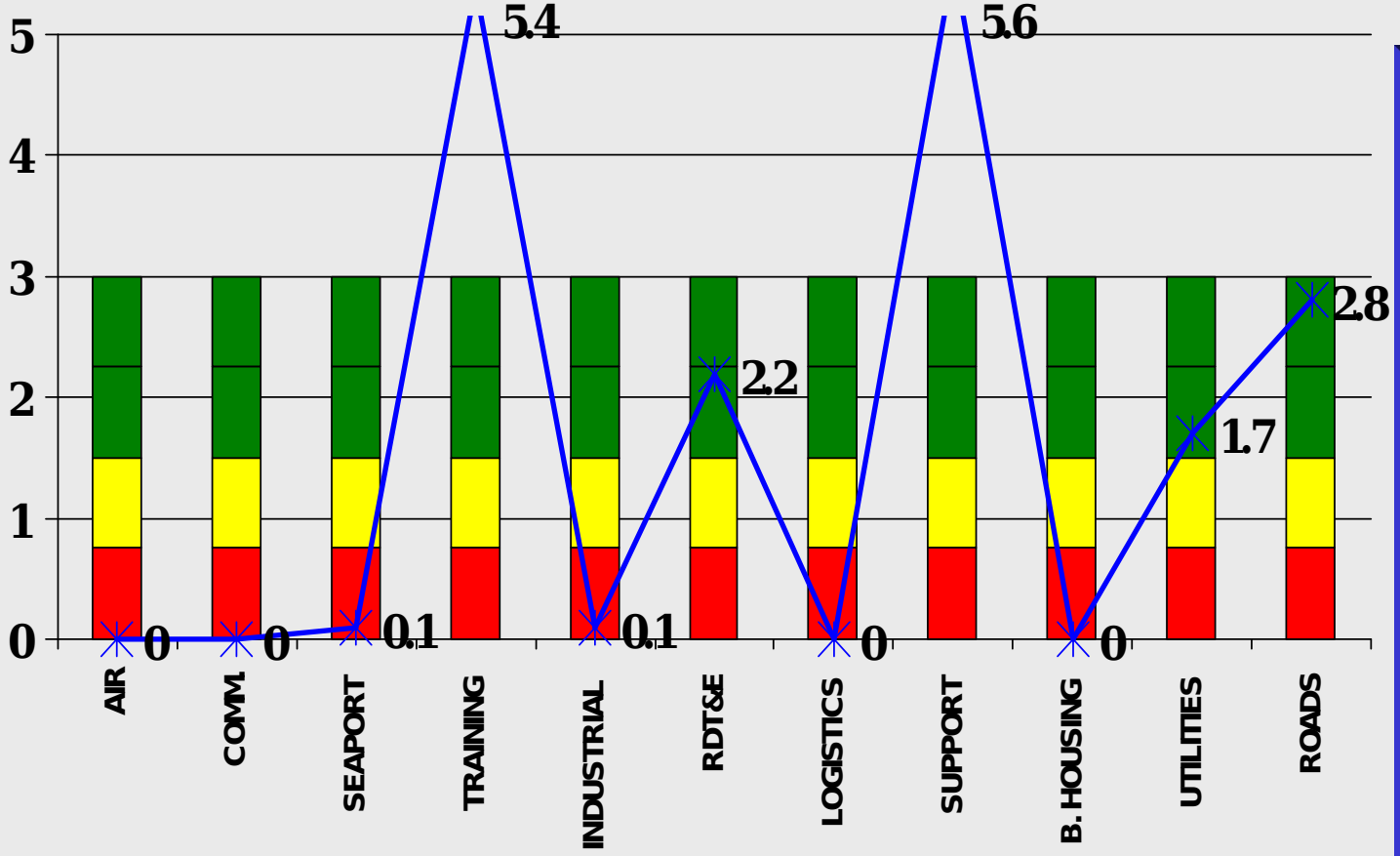


CPV VALUES IN MILLIO	
AIR	$
COMM	
SEAPORT	
TRAINING	
INDUSTRIAL	
RDT&E	47
LOGISTICS	
SUPPORT	2
B. HOUSING	
UTILITIES	10
ROADS	5
TOTAL	

NSWC DAHLGREN FY 98 NWCF

READINESS CONDITION

C4 C4 C4 C1 C4 C2 C4 C1 C2 C1



CPV VALUES IN MILLIONS

AIR $7.572

COMM 3.860

SEAPORT 42.263

TRAINING 4.055

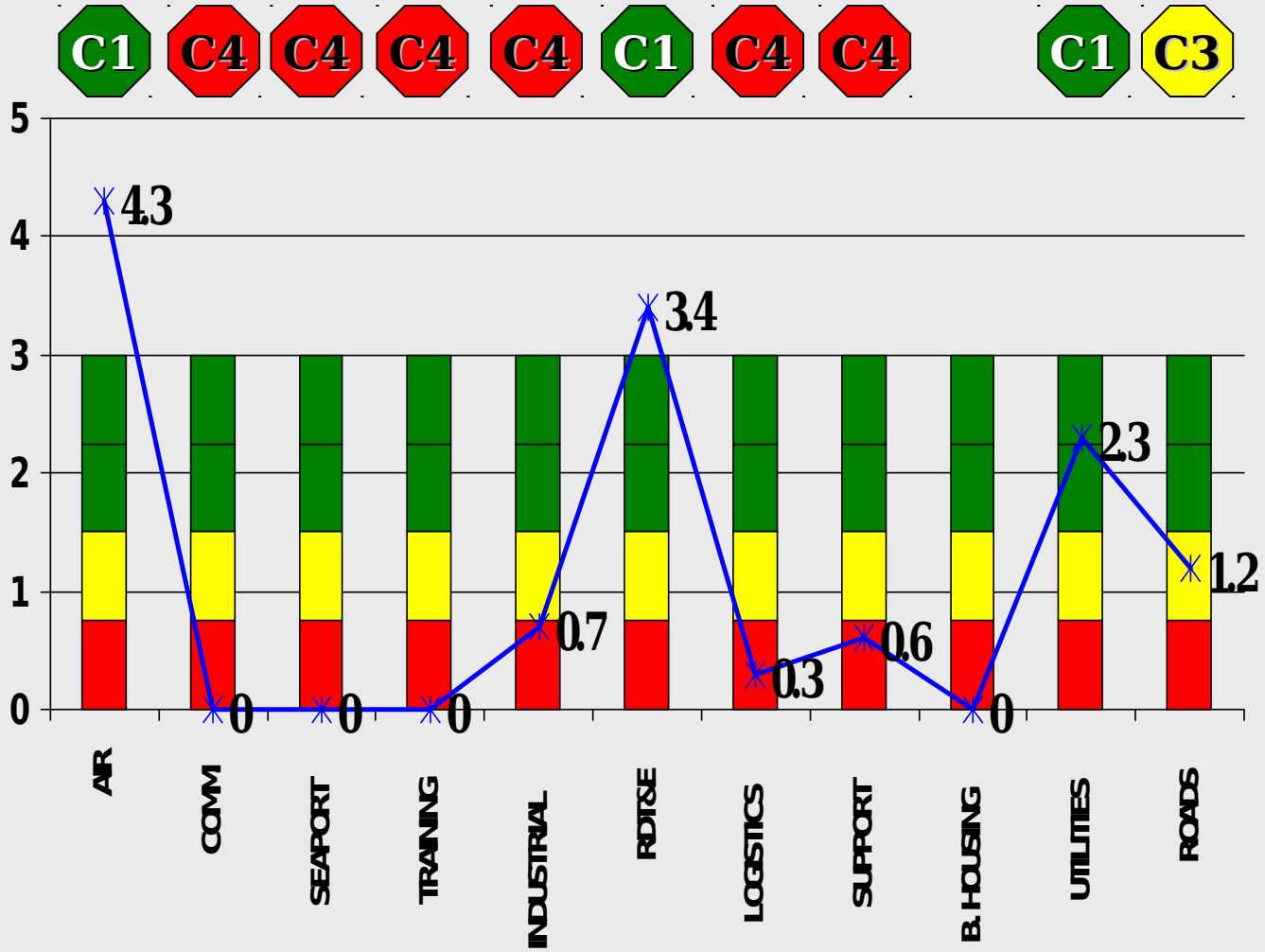
INDUSTRIAL 19.908

RDT&E 237.965

LOGISTICS

NSWC CRANE FY 98 NWCF

READINESS CONDITION



CPV VALUES IN MILLIONS

AIR
$ .115

COMM
14.932

SEAPORT
.019

TRAINING
2.098

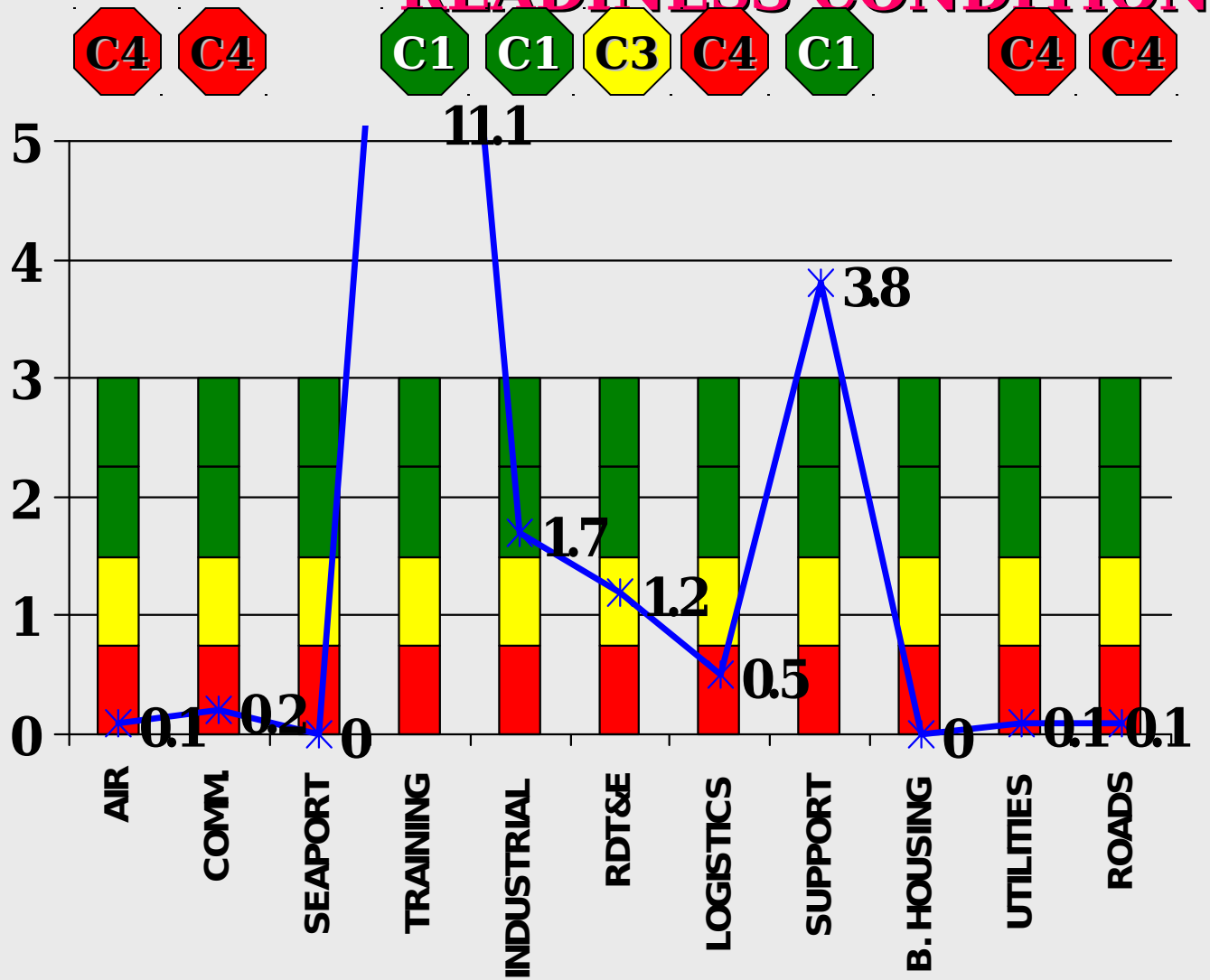
INDUSTRIAL
507.952

RDT&E
6.872

LOGISTICS

NSWC INDIAN HD FY 98 NWCF

READINESS CONDITION



CPV VALUES IN MILLIONS

AIR
$2.739

COMM
9.861

SEAPORT
.000

TRAINING
.505

INDUSTRIAL
261.084

RDT&E
143.839

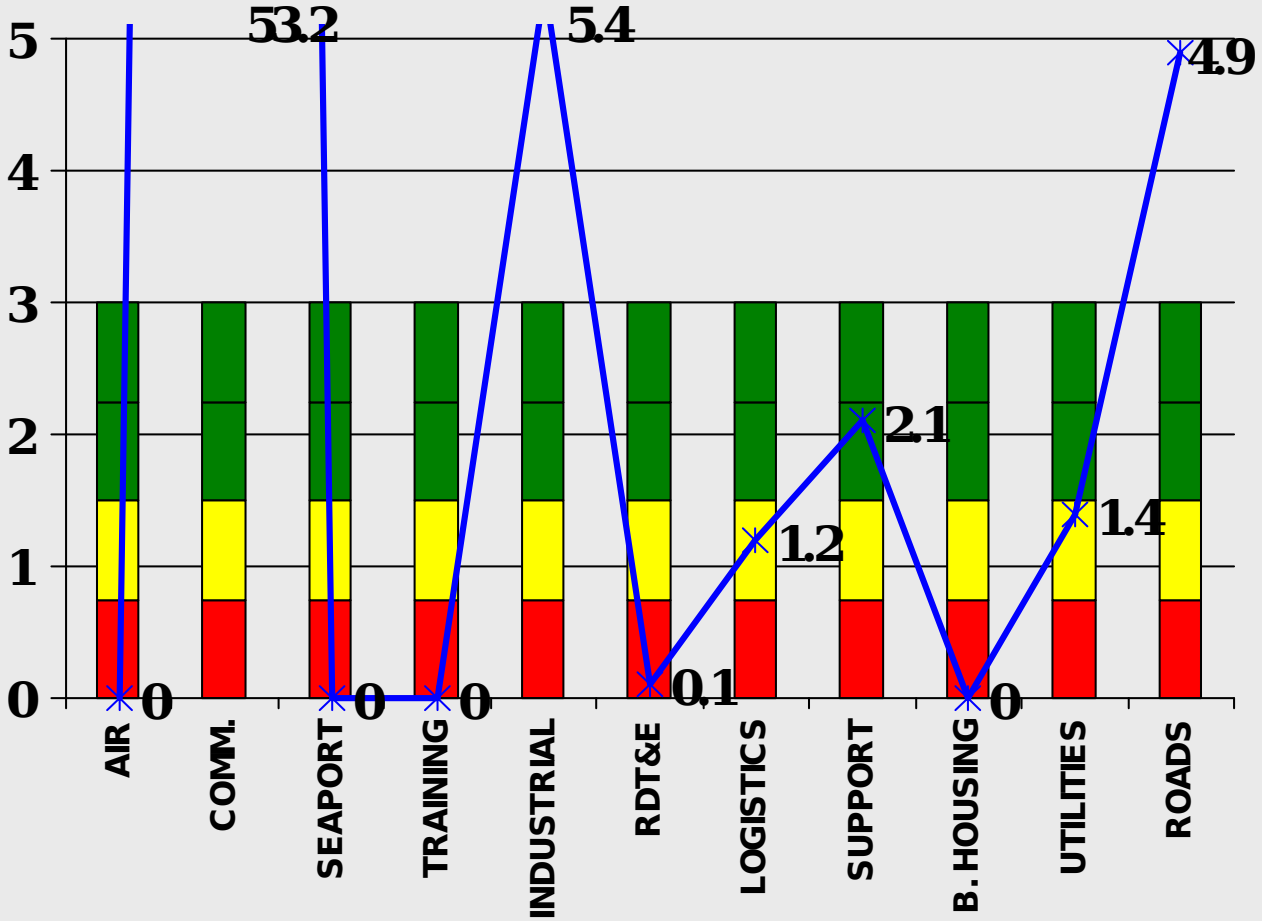
LOGISTICS
84.018

SUPPORT

NSWC CARDEROCK FY 98 NWCF

READINESS CONDITION

C4 C1 C4 C1 C4 C3 C2 C3 C1



CPV VALUES IN MILLIONS

AIR
$0.403

COMM
.050

SEAPORT
22.913

TRAINING
.000

INDUSTRIAL
67.439

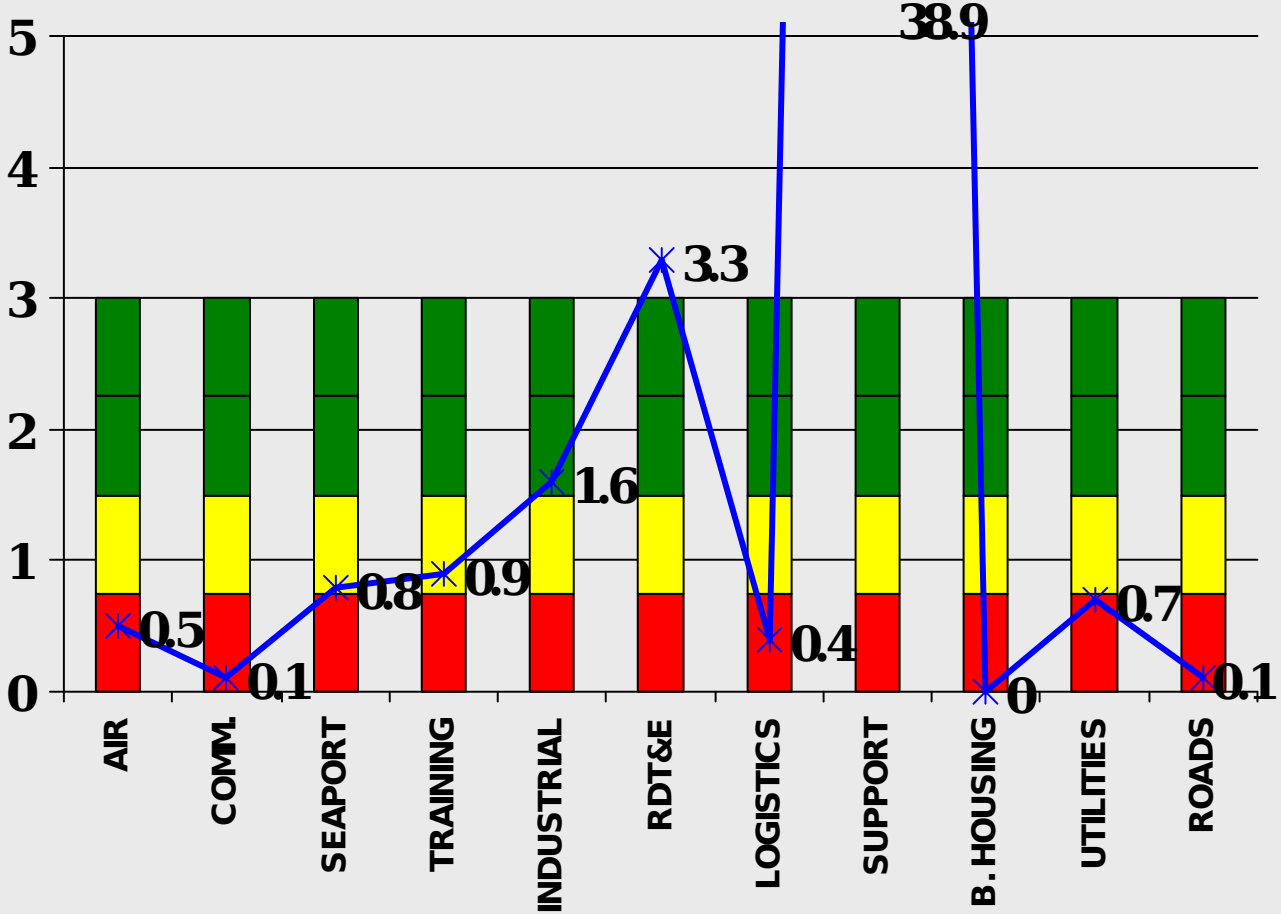
RDT&E
776.151

LOGISTICS

NSWC PANAMA CITY FY 98 NWCF

READINESS CONDITION

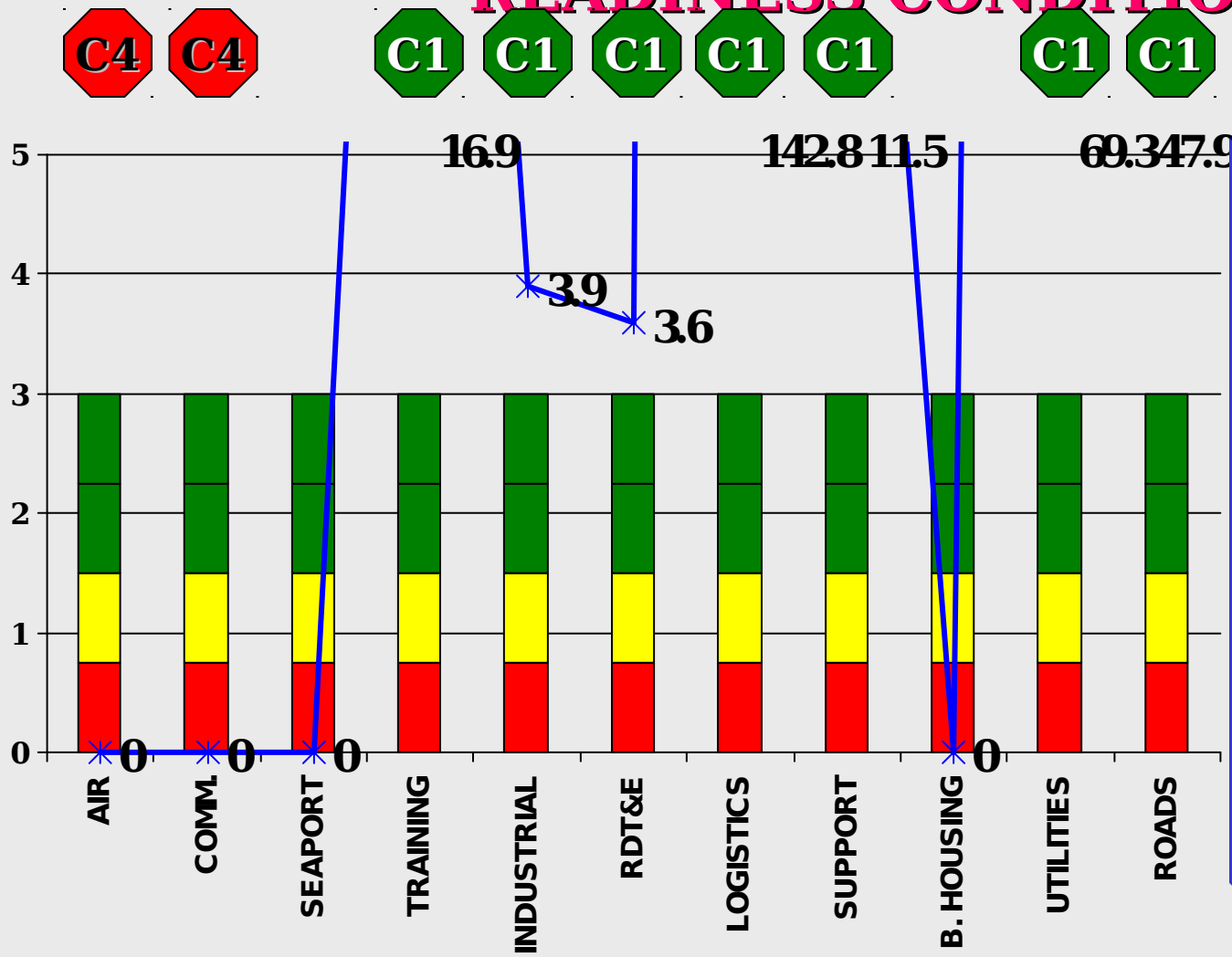
C4 C4 C3 C3 C2 C1 C4 C1 C4 C4



CPV VALUES IN MILLION	
AIR	$2.
COMM	1
SEAPORT	6
TRAINING	
INDUSTRIAL	
RDT&E	62
LOGISTICS	
SUPPORT	6
B. HOUSING	
UTILITIES	24
ROADS	1
TOTAL	

NSWC PT HUENEME FY 98 NWCF

READINESS CONDITION



CPV VALUES IN MILLIO	
AIR	$0
COMM	
SEAPORT	
TRAINING	
INDUSTRIAL	
RDT&E	5
LOGISTICS	
SUPPORT	1
B. HOUSING	
UTILITIES	
ROADS	
TOTAL	

NWCF

INTERFACE WITH READINESS CONDITIONS

Production Expense

Utility Costs

Manday Rate

Future Production

Materials

Capability vs. Workload

Infrastructure

Supplies

Maintenance

DLI

NOR

BASEREP

AIS

How does NAVSEA use Fleet Readiness Criteria to Manage NWCF Programs???

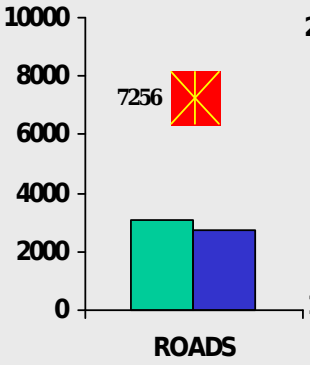
Recommendations

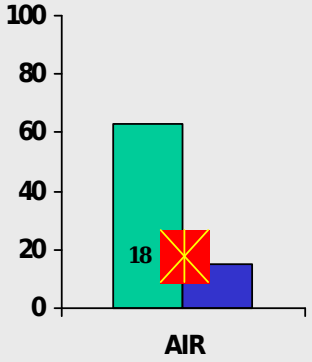
- Correct Naval Facility Asset Database (NFADB)
- Use Fleet Readiness Criteria to Formulate NWCF Amended Budget Submission
- Include as a NAVSEA Core Equity

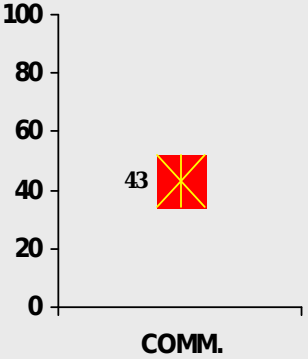
Backup Slides

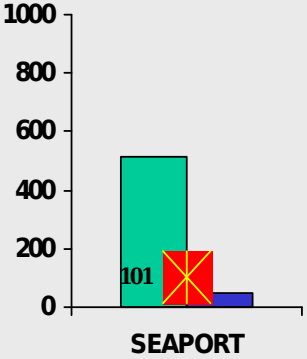
SURFACE SUBTOTALS

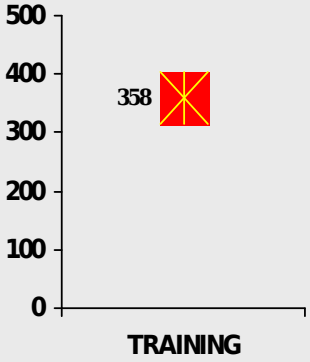
CRITICAL BACKLOG vs. FY 98 INVESTMENT COMPARISON

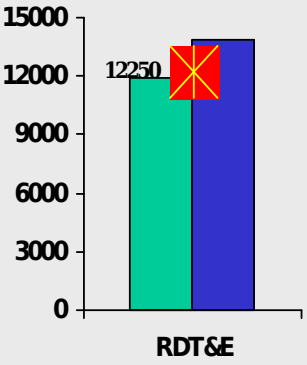


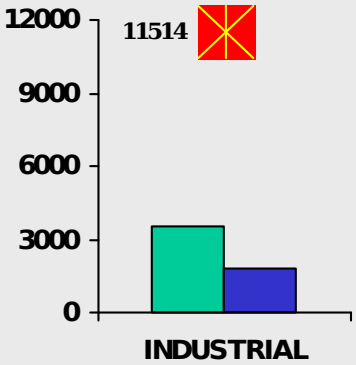


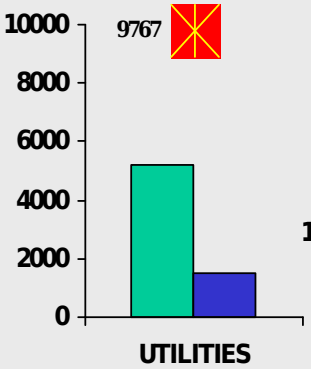


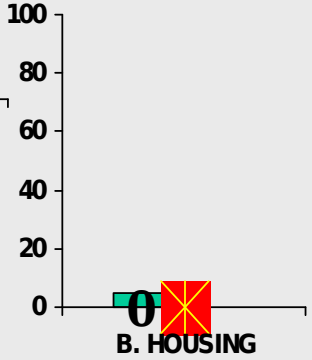


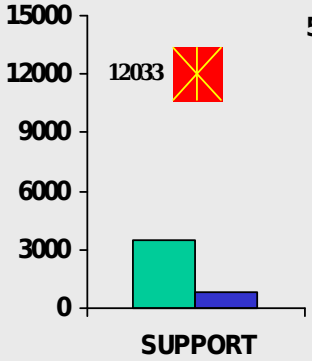


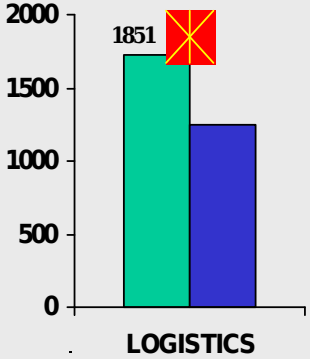










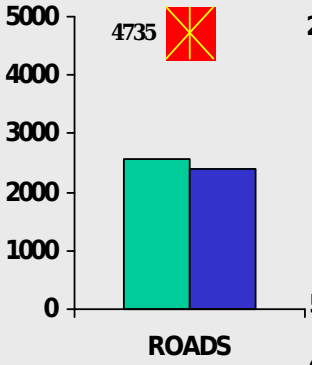


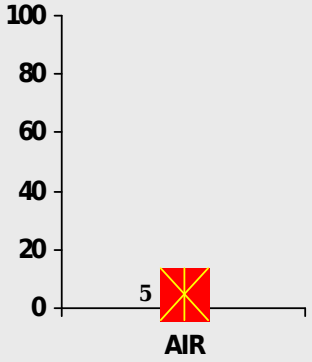
ALL CHARTS AND DOLLARS IN THOUSANDS [$000]

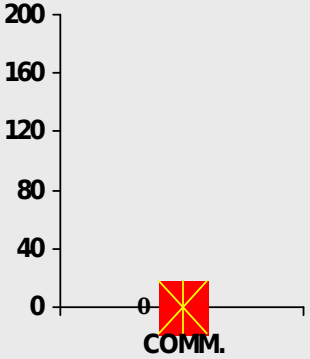
LEGEND
FY 97 Critical
FY 98 Critical
FY 98 Investment

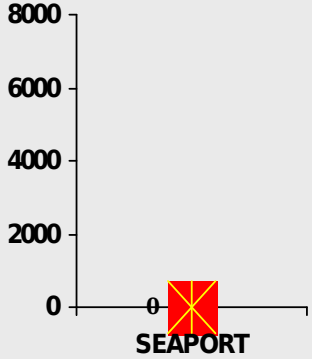
NSWC CRANE

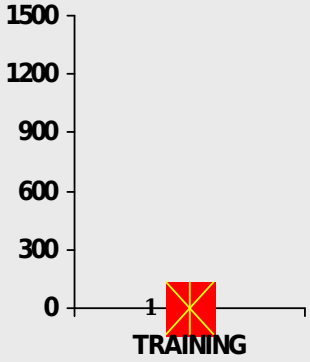
CRITICAL BACKLOG vs. FY 98 INVESTMENT COMPARISON

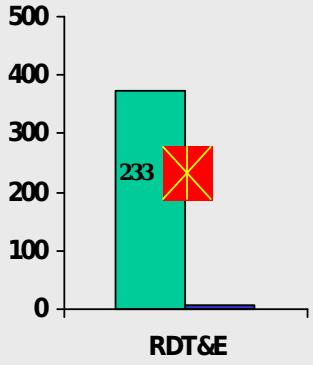


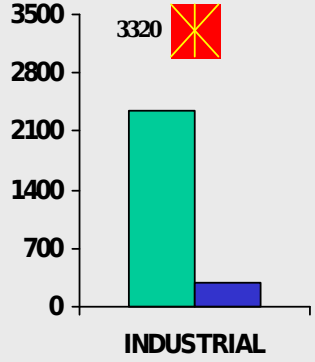


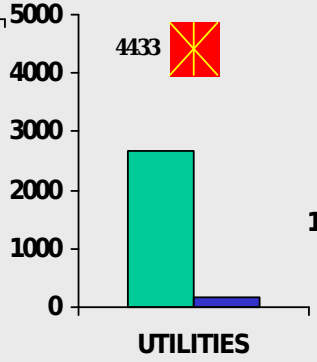


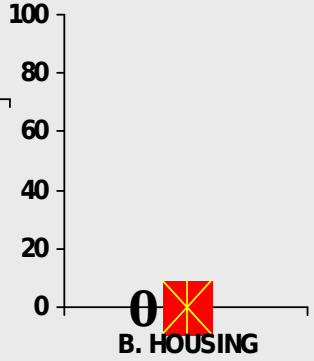


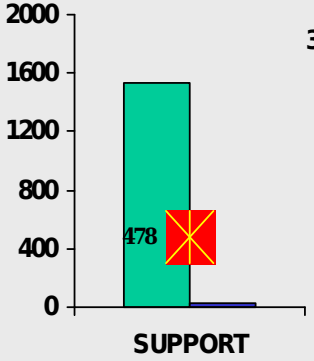


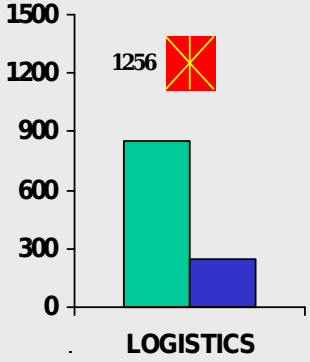










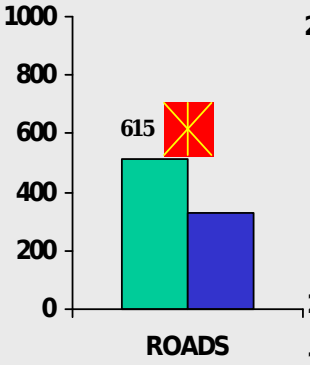


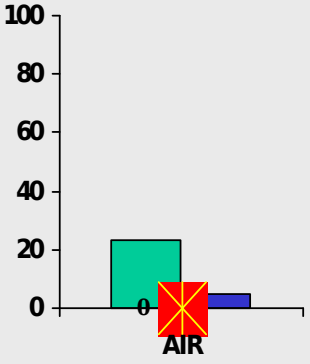
ALL CHARTS AND DOLLARS IN THOUSANDS [$000]

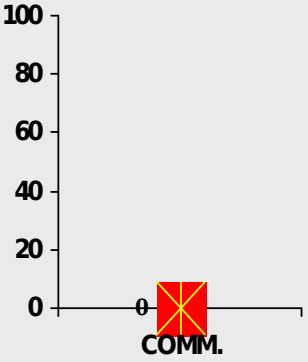
LEGEND
FY 97 Critical
FY 98 Critical
FY 98 Investment

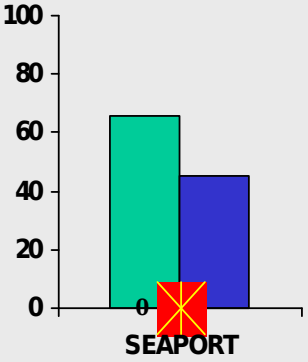
NSWC CARDEROCK

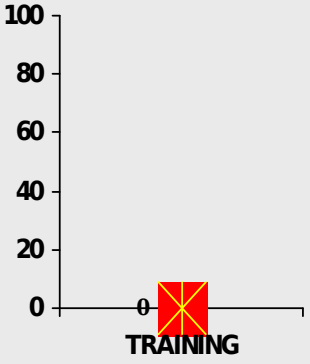
CRITICAL BACKLOG vs. FY 98 INVESTMENT COMPARISON

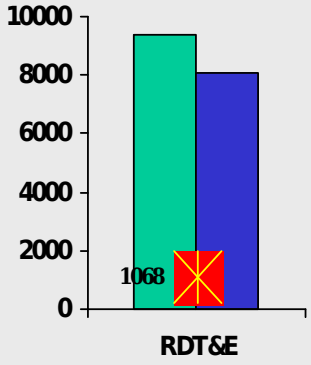


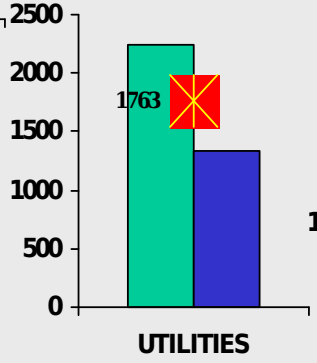


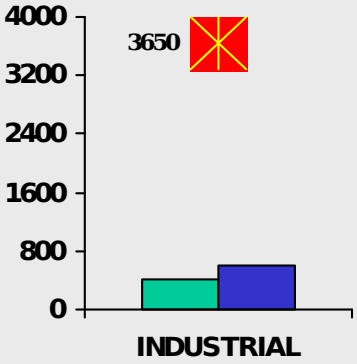


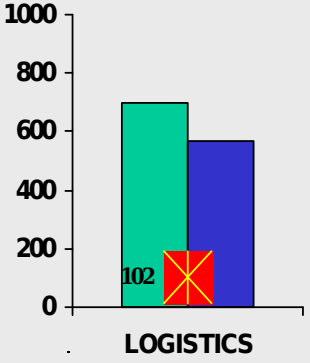


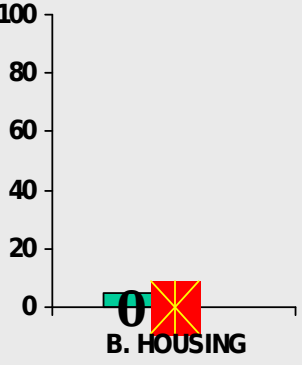


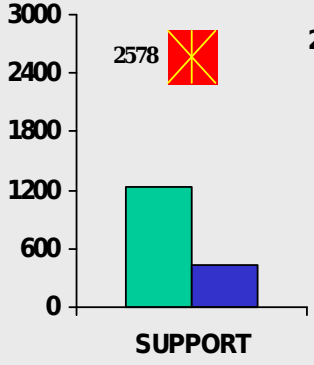










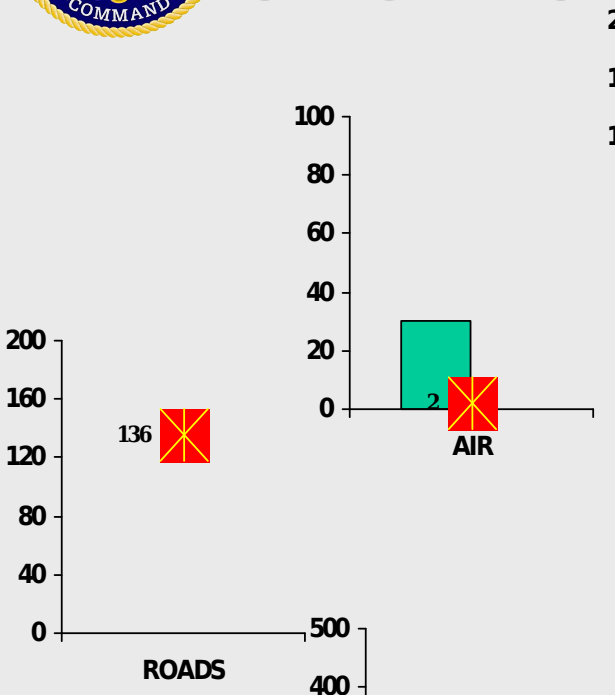


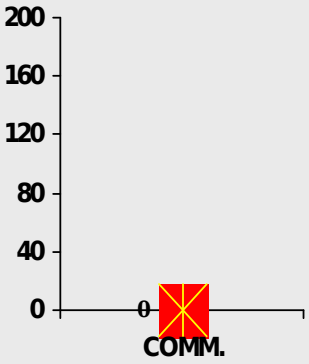
ALL CHARTS AND DOLLARS IN THOUSANDS [$000]

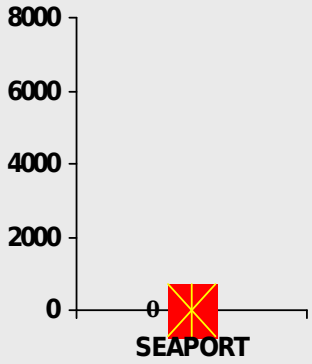
LEGEND
FY 97 Critical
FY 98 Critical
FY 98 Investment

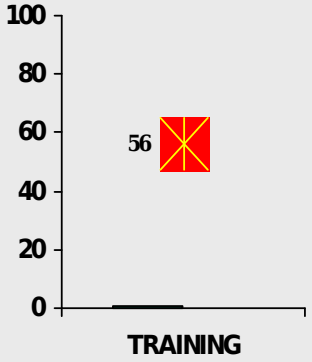
NSWC INDIAN HEAD

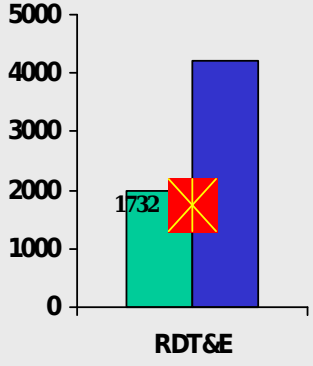
CRITICAL BACKLOG vs. FY 98 INVESTMENT COMPARISON

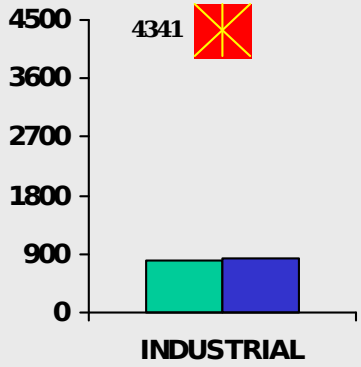


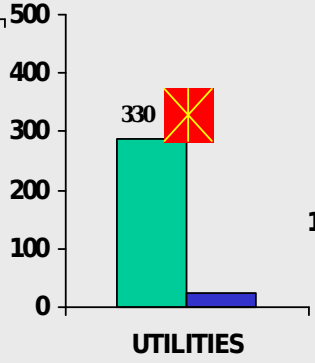


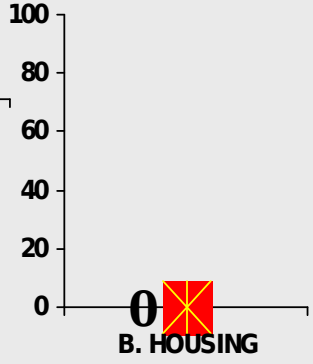


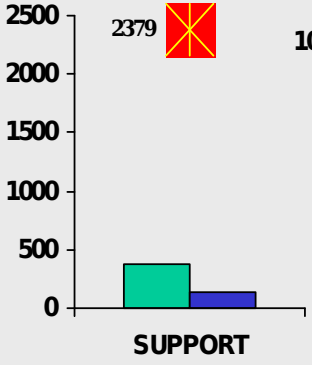


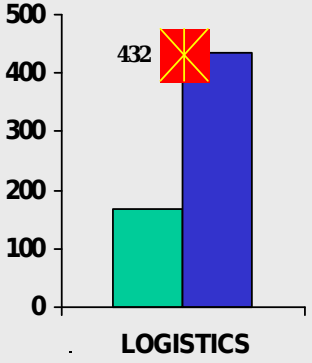










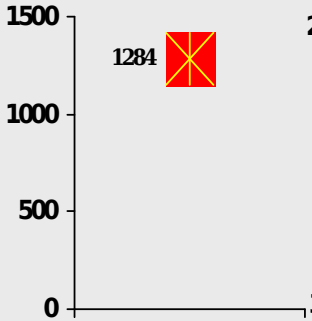


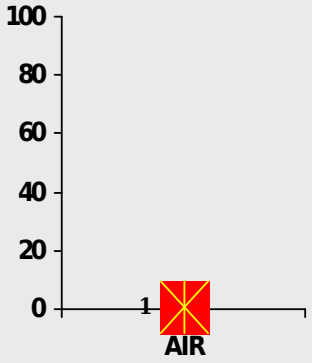
ALL CHARTS AND DOLLARS IN THOUSANDS [$000]

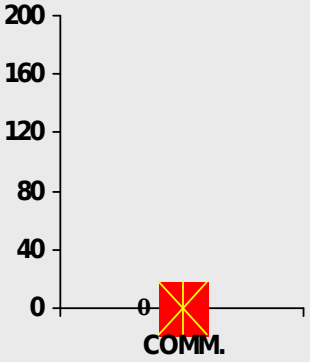
LEGEND
FY 97 Critical
FY 98 Critical
FY 98 Investment

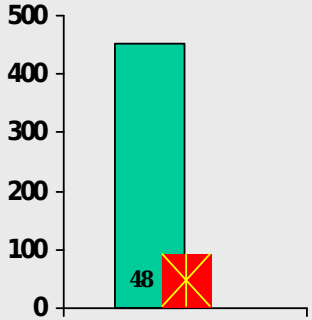
NSWC DAHLGREN

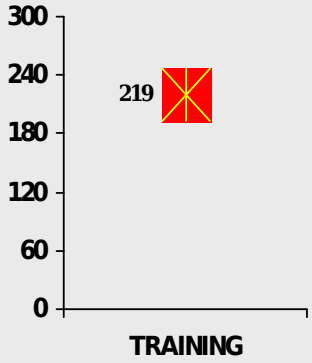
CRITICAL BACKLOG vs. FY 98 INVESTMENT COMPARISON

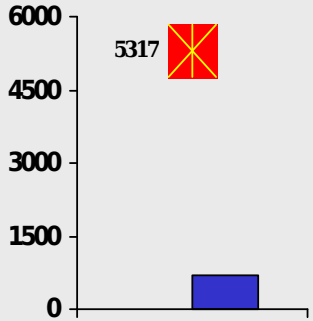


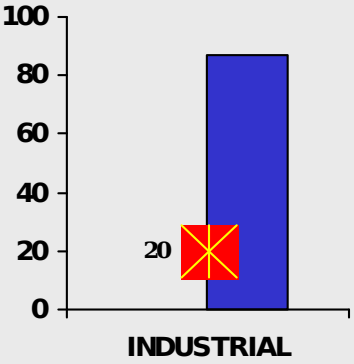


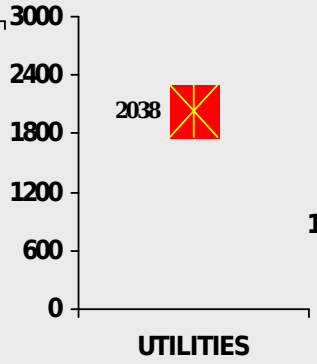


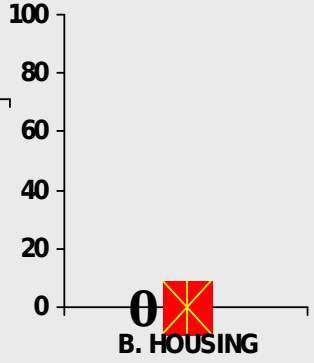


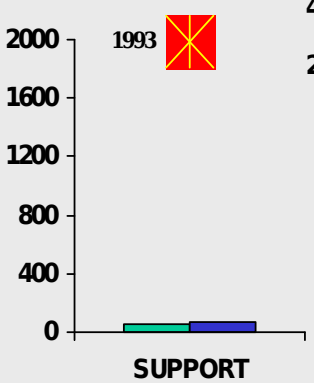


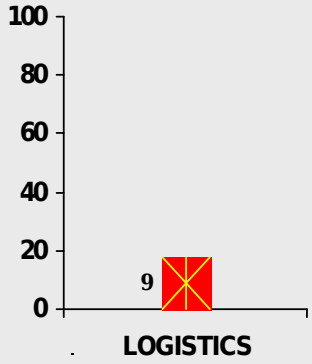










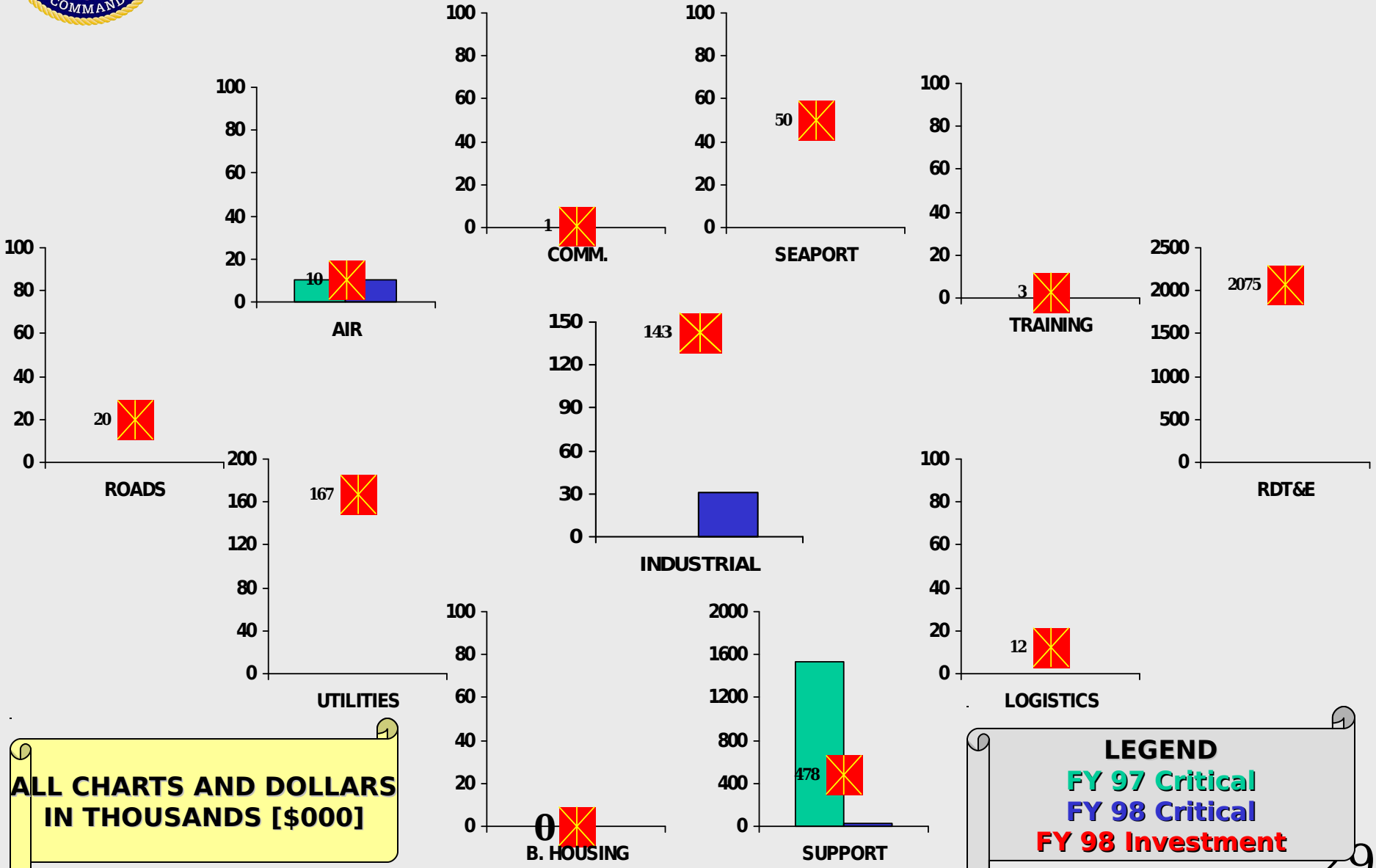


ALL CHARTS AND DOLLARS IN THOUSANDS [$000]

LEGEND
FY 97 Critical
FY 98 Critical
FY 98 Investment

NSWC PANAMA CITY

CRITICAL BACKLOG vs. FY 98 INVESTMENT COMPARISON



ALL CHARTS AND DOLLARS IN THOUSANDS [$000]

LEGEND

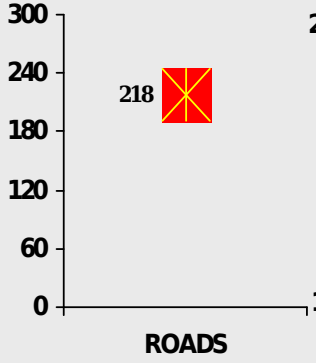
FY 97 Critical

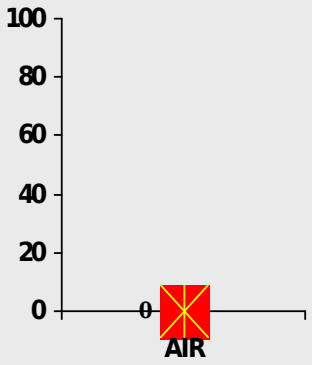
FY 98 Critical

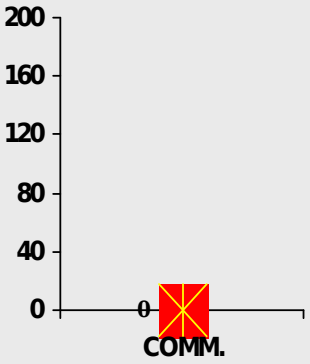
FY 98 Investment

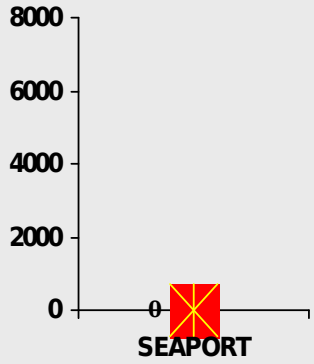
NSWC PORT HUENEME

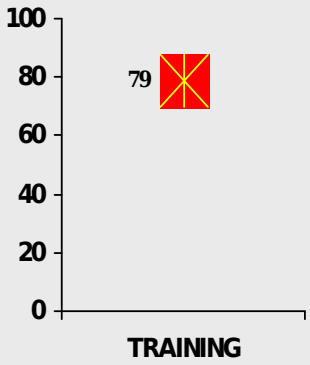
CRITICAL BACKLOG vs. FY 98 INVESTMENT COMPARISON

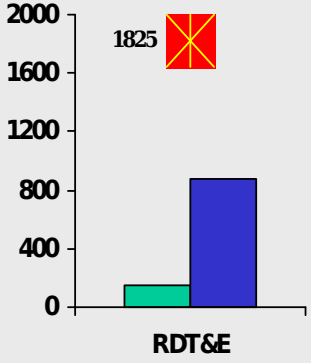


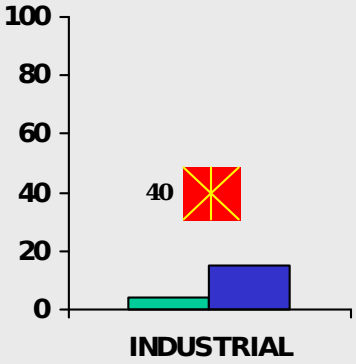


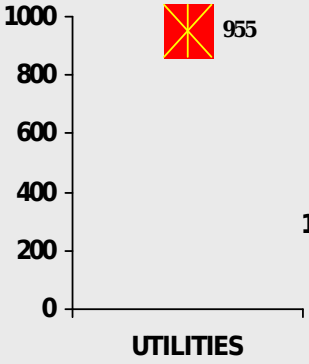


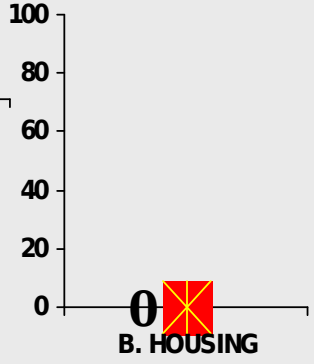


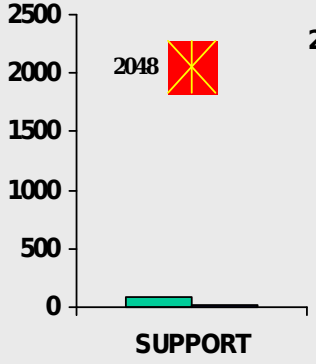


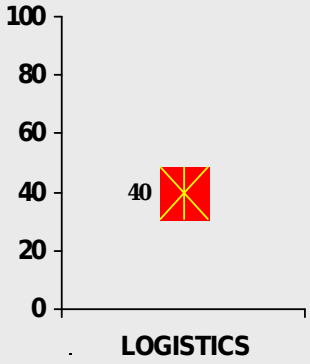










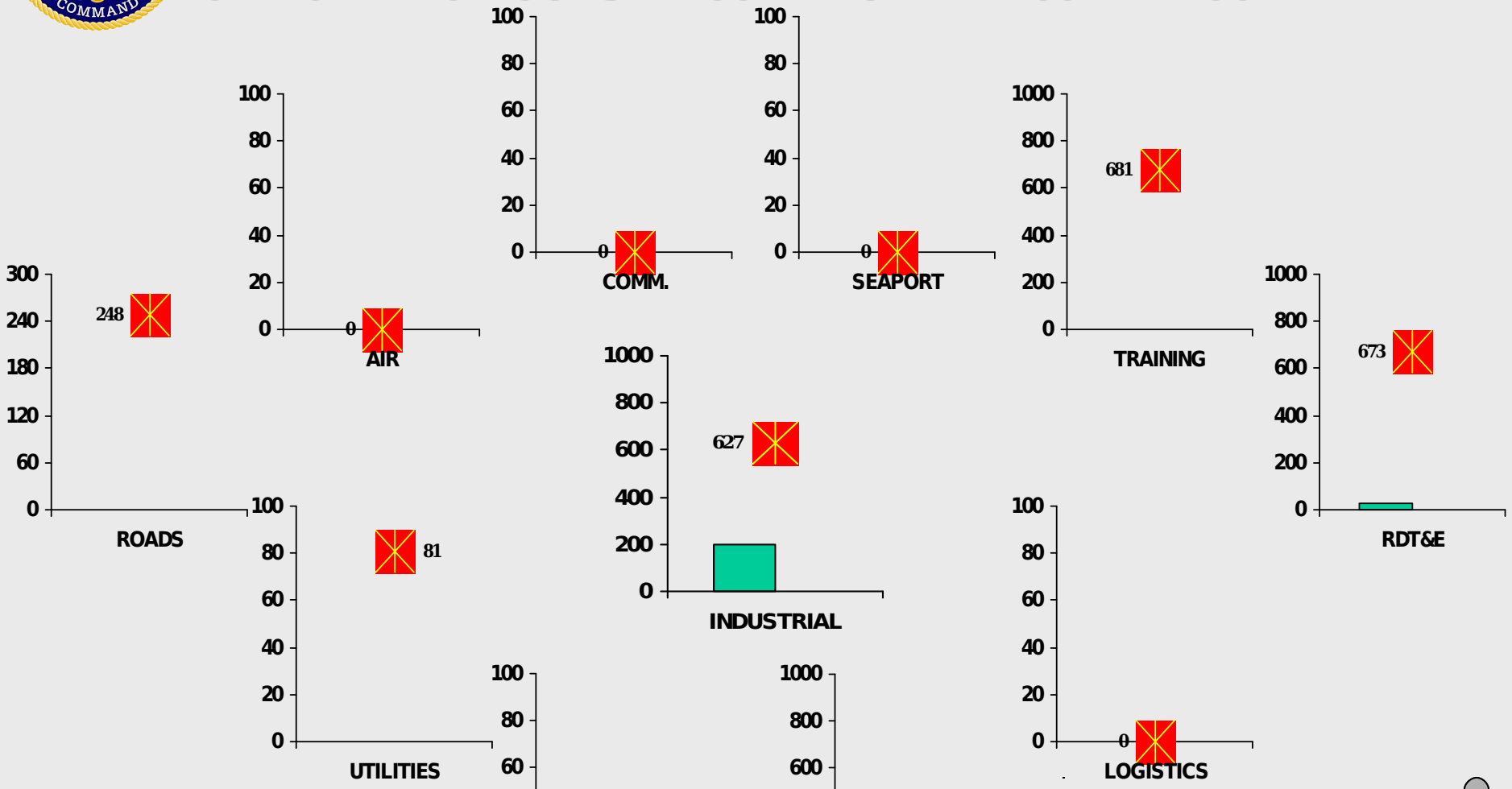


ALL CHARTS AND DOLLARS IN THOUSANDS [$000]

LEGEND
FY 97 Critical
FY 98 Critical
FY 98 Investment

NWAS CORONA

CRITICAL BACKLOG vs. FY 98 INVESTMENT COMPARISON



ALL CHARTS AND DOLLARS IN THOUSANDS [$000]

LEGEND

FY 97 Critical

FY 98 Critical

FY 98 Investment